

| L Number | Hits | Search Text   | DB  | Time stamp          |
|----------|------|---|---|---------------------|
| 1        | 2    | jp-10293937-\$ did.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/08<br>09:22 |
| 29       | 2    | jp-10269610-\$ did.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/08<br>09:22 |
| -        | 2    | ("5161040").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>08:46 |
| -        | 11   | ((("6052355") or ("6118594") or ("5930214") or ("5889748") or ("5657305"))).PN. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>08:47 |
| -        | 2    | ("5808993").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>08:50 |
| -        | 0    | ((359/724).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>16:46 |
| -        | 33   | ((359/569).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>11:01 |
| -        | 46   | ((359/566).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>11:08 |
| -        | 8    | ((359/570).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>11:27 |
| -        | 26   | ((359/719).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)        | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/07<br>11:28 |

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| - | 5  | ((359/721).CCLS.) and (diffract\$ with l ns\$2) and (optic\$4 with head)    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:36 |
| - | 13 | ((359/708).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:37 |
| - | 16 | ((369/112.03).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:46 |
| - | 41 | ((369/112.04).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:51 |
| - | 30 | ((369/112.05).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:59 |
| - | 2  | ("6222812").PN.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 11:59 |
| - | 9  | ((369/112.06).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:04 |
| - | 51 | ((369/112.07).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:06 |
| - | 39 | ((369/112.08).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:17 |
| - | 3  | ("6304540").PN.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:17 |

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| - | 0   | ((369/112.011).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:28 |
| - | 5   | ((369/112.11).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:29 |
| - | 113 | ((369/112.12).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:31 |
| - | 8   | ((369/112.13).CCLS.) and (diffract\$ with lens\$2) and (optic\$4 with head)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:48 |
| - | 878 | ((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 12:49 |
| - | 27  | (((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)) and peripheral and intermediate and cent\$3        | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:20 |
| - | 3   | ("6304540"   "6430138"   "6452880").PN.   | USPAT                                       | 2004/06/07 13:02 |
| - | 0   | jp-2000028917.did.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:06 |
| - | 2   | jp-2000028917-.did.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:08 |
| - | 2   | ep-1158503-.did.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:09 |
| - | 3   | (((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)) and ((diffract\$ with grating) with intermediate ) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:15 |

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| - | 168  | (((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)) and cd\$3 and dvd and (focus\$4 or converg\$3)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:21 |
| - | 84   | (((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)) and cd\$3 and dvd and (focus\$4 or converg\$3)) and wavelength with (two or dual)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 13:22 |
| - | 84   | (((diffract\$ with grating) same (object\$3 with lens\$2)) and (optic\$4 with head)) and cd\$3 and dvd and (focus\$4 or converg\$3)) and (wavelength with (two or dual))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 14:43 |
| - | 2    | ("6091691").PN.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 15:14 |
| - | 2    | ("6055076").PN.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 15:14 |
| - | 1337 | (optic\$4 with ((pickup or pick?up) or head)) and ((objective with lens\$2) same (diffract\$ near4 grating))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:33 |
| - | 167  | ((optic\$4 with ((pickup or pick?up) or head)) and ((objective with lens\$2) same (diffract\$ near4 grating))) and dvd\$3 and cd\$3 and (wavelength with (two or dual or multi\$3 or plural\$3))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 15:24 |
| - | 29   | (((optic\$4 with ((pickup or pick?up) or head)) and ((objective with lens\$2) same (diffract\$ near4 grating))) and dvd\$3 and cd\$3 and (wavelength with (two or dual or multi\$3 or plural\$3))) and (phase with shift\$3)                                  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 15:44 |
| - | 73   | (((optic\$4 with ((pickup or pick?up) or head)) and ((objective with lens\$2) same (diffract\$ near4 grating))) and dvd\$3 and cd\$3 and (wavelength with (two or dual or multi\$3 or plural\$3))) and ((reduc\$ or eliminat\$ or suppress\$) with aberrat\$) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:03 |
| - | 300  | ((reduc\$ or eliminat\$ or suppress\$) with jitter) same (phase near4 shift\$3)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:13 |

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| - | 2   | ((reduc\$ or eliminat\$ or suppress\$) with jitter) same (phase near4 shift\$3) and (optic\$4 with ((pickup or pick?up) or head)) and (diffract\$ near3 grating) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:16 |
| - | 47  | (optic\$4 with ((pickup or pick?up) or head)) and (diffract\$ near3 grating) and (spheric\$ with aberrat\$) and jitter   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:33 |
| - | 276 | hayashi.in. and mizuno.in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:33 |
| - | 25  | (hayashi.in. and mizuno.in.) and (optic\$4 with ((pickup or pick?up) or head))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:34 |
| - | 645 | (359/569).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:45 |
| - | 873 | (359/566).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:45 |
| - | 161 | (359/570).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 280 | (359/719).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 216 | (359/721).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 99  | (359/724).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |

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| - | 753 | (359/708).CCLS.    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 48  | (369/112.03).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 88  | (369/112.04).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 102 | (369/112.05).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 21  | (369/112.06).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 112 | (369/112.07).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 95  | (369/112.08).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 11  | (369/112.11).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 211 | (369/112.12).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |
| - | 16  | (369/112.13).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:46 |

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|  | 0  | ((359/724).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:02 |
|  | 61 | ((359/569).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 16:49 |
|  | 9  | ("5132843"   "5696750"   "5777803"   "5809000"   "5914822"   "6084710"   "6094308"   "6118594"   "6166854").PN.      | USPAT                                       | 2004/06/07 16:53 |
|  | 62 | ((359/566).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 17:00 |
|  | 2  | ("6084843"   "6181668").PN.  | USPAT                                       | 2004/06/07 17:00 |
|  | 10 | ((359/570).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 17:07 |
|  | 23 | ((359/719).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 17:08 |
|  | 7  | ("6115192"   "6313956"   "6363037"   "6366542"   "6411442"   "6512640"   "6614600"   "2003/0103272").PN.             | USPAT                                       | 2004/06/07 17:47 |
|  | 1  | ("6285646"   "2002/0089764").PN.   | USPAT                                       | 2004/06/07 17:48 |
|  | 6  | ((359/721).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 17:59 |
|  | 5  | ((359/708).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))    | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:02 |
|  | 19 | ((369/112.03).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:03 |

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| - | 51  | ((369/112.04).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:05 |
| - | 44  | ((369/112.05).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:08 |
| - | 9   | ((369/112.06).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:13 |
| - | 64  | ((369/112.07).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:15 |
| - | 42  | ((369/112.08).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:29 |
| - | 5   | ((369/112.11).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:36 |
| - | 117 | ((369/112.12).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:36 |
| - | 10  | ((369/112.13).CCLS.) and ((diffract\$ near3 grating) same lens\$2) and (optic\$4 with ((pickup or pick?up) or head))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:39 |
| - | 973 | (7?? same 6?? same wavelength) and dvd\$3 and cd\$3 and (optic\$4 with ((pickup or pick?up) or head))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:42 |
| - | 52  | ((7?? same 6?? same wavelength) and dvd\$3 and cd\$3 and (optic\$4 with ((pickup or pick?up) or head))) and (diffract\$ near4 grating) and (phase with (delay or shift\$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/06/07 18:45 |

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| - | 2 | ("6043912").PN. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/06/08<br>09:15 |
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